

T-MOBILE NORTHEAST LLC

CHRIST OUR SAVIOR  
SITE NUMBER: WAC071B  
46611 JEFFERSON DRIVE  
STERLING, VA 20165

SPEX 2008 - 0030, T-MOBILE STERLING  
CMPT-2008-0008

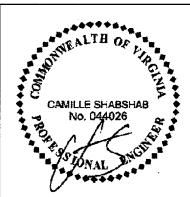


1575 Eye Street, N.W. Suite 350  
WASHINGTON, D.C. 20005  
PHONE: (202)408-0960  
FAX: (202)408-0961

SUBMITTALS

DATE	DESCRIPTION	REV.
04-28-10	ZONING REVIEW	A
05-28-10	ZONING	0
11-19-10	REVISE STEEPLE	1
12-15-10	COUNTY COMMENTS	2

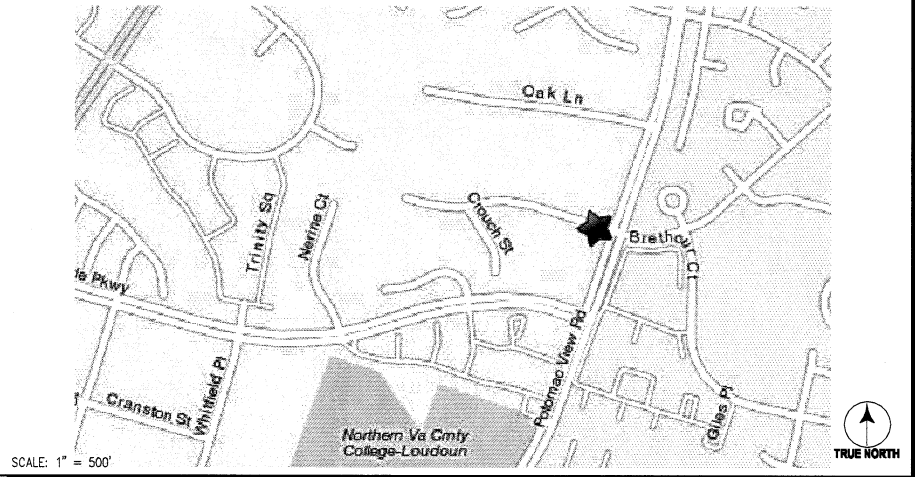
SEAL:



GENERAL NOTES

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE CONSTRUCTION MANAGER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWING/CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATION UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
13. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
14. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED BY THE CONSTRUCTION MANAGER.
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT.
16. THE CONTRACTOR SHALL BE RESPONSIBLE TO SUBCONTRACT THIRD PARTY INSPECTION SERVICES TO SWEEP TEST TRANSMISSION LINES, INSPECT CONSTRUCTION WORK ON TOWERS/MONOPOLES, CERTIFY ANTENNA AZIMUTHS, ANTENNA HEIGHT (AGL), TEST GROUNDING, VERIFY SUBGRADE CAPADTY, CONCRETE STRENGTH (TOWER FOUNDATIONS ONLY) AND REBAR/CONCRETE PLACEMENT. THIRD PARTY INSPECTION SERVICE CONTRACTORS SHALL BE APPROVED BY OMNIPONT.
17. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF OMNIPONT COMMUNICATIONS CAP OPERATIONS, LLC. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED.

VICINITY MAP



SYMBOLS AND ABBREVIATIONS

ADJ	ADJUSTABLE	MECH	MECHANICAL	⬤	SPOT ELEVATION
APPROX	APPROXIMATE	MFR	MANUFACTURER	—	CENTERLINE
CAB	CABINET	MGB	MAIN GROUND BAR	⌬	PLATE
CLG	CEILING	MIN	MINIMUM	⊙	DETAIL NUMBER
CONC	CONCRETE	MTL	METAL	⊙	SHEET NUMBER
CONT	CONTINUOUS	NIC	NOT IN CONTRACT	—G—	GROUND WIRE
CJ	CONSTRUCTION JOINT	NTS	NOT TO SCALE	—	COAXIAL CABLE
DIA	DIAMETER	OC	ON CENTER	⊕	PCS ANTENNA
DWG	DRAWING	OPP	OPPOSITE		
EGB	EQUIPMENT GROUND BAR	SF	SQUARE FOOT		
EA	EACH	SHT	SHEET		
ELEC	ELECTRICAL	SIM	SIMILAR		
EL	ELEVATION	SS	STAINLESS STEEL		
EQ	EQUAL	STL	STEEL		
EQUIP	EQUIPMENT	TOC	TOP OF CONCRETE		
EXT	EXTERIOR	TOM	TOP OF MASONRY		
FF	FINISHED FLOOR	TOS	TOP OF STEEL		
GA	GAGE	TYP	TYPICAL		
GALV	GALVANIZED	VIF	VERIFY IN FIELD		
GB	GROUND BAR	UON	UNLESS OTHERWISE NOTED		
GC	GENERAL CONTRACTOR	WWF	WELDED WIRE FABRIC		
GRND	GROUND	W/	WITH		
LG	LONG	&	AND		
LLH	LONG LEG HORIZONTAL	⊙	AT		
MAX	MAXIMUM				

SHEET INDEX

- T-1 TITLE SHEET
- Z-1 SITE SURVEY
- Z-2 SPECIAL EXCEPTION PLAT
- Z-3 GRADING, EROSION & SEDIMENT CONTROL PLAN
- Z-4 COMPOUND LAYOUT PLAN AND TOWER ELEVATION
- Z-5 EQUIPMENT DETAILS
- Z-6 COMPOUND LANDSCAPING PLAN & DETAILS

PROJECT DESCRIPTION

SCOPE OF WORK: 1. INSTALL A NEW 80'-0" HIGH CONCEALMENT BELL TOWER & FOUNDATION AND A NEW 755 SF FENCED EQUIPMENT COMPOUND. 2. INSTALL (6) PANEL ANTENNAS INSIDE NEW BELL TOWER. 3. INSTALL T-MOBILE COMMUNICATION EQUIPMENT CABINETS ON NEW CONCRETE PAD. 4. INSTALL COAXIAL AND GROUNDING CABLES BETWEEN CABINETS AND ANTENNAS. 5. PROVIDE NEW TELEPHONE AND ELECTRIC SERVICE FROM EXISTING DEMARCATION POINTS.			
OWNER:	CHRIST OUR SAVIOR LUTHERAN CHURCH 46611 JEFFERSON DRIVE STERLING, VA 20165	APPLICANT:	T-MOBILE NORTHEAST LLC 12050 BALTIMORE AVE. BELTSVILLE, MD 20705
SITE ADDRESS:	JEFFERSON DRIVE STERLING, VA 20165	ARCHITECT/ENGINEER:	ENTREX COMMUNICATION SERVICES, INC. 1575 I STREET NW, SUITE 350 WASHINGTON, DC 20005 CAMILLE SHABSHAB (202) 408-0960
PARCEL ID:	019-30-9383-000	LATITUDE:	N 39° 02' 13.633"
ZONING:	CR1	LONGITUDE:	W 77° 23' 14.270"
JURISDICTION:	LOUDOUN COUNTY	GROUND ELEVATION:	312.88' AMSL AT BASE
DISTRICT:	POTOMAC		

OWNER APPROVAL

OWNER REPRESENTATIVE \_\_\_\_\_ DATE \_\_\_\_\_

T-MOBILE NORTHEAST LLC

12050 BALTIMORE AVENUE  
BELTSVILLE, MD 20705  
PHONE: (240) 264-8600

PROJECT NO: 1042.732  
DESIGNER: W.A.  
ENGINEER: C.S.

SCALE:  
0 1/2 1  
GRAPHIC SCALE IN INCHES

WAC071B  
CHRIST OUR SAVIOR  
46611 JEFFERSON DR  
STERLING, VA 20165

TITLE:

TITLE SHEET

SPEX 2008 -0030

SHEET NUMBER:

T-1

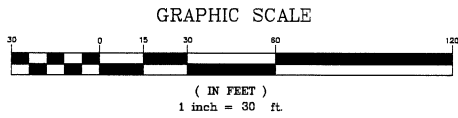


## LINE TYPES

BOUNDARY LINE - PARENT PARCEL
UNSURVEYED LINE - BOUNDARY OF ADJOINERS
TIE LINE FOR DIMENSIONS
EASEMENT BOUNDARY
RIGHT OF WAY BOUNDARY
EDGE OF ASPHALT
EDGE OF CONCRETE
EDGE OF GRAVEL
CURB
FENCE LINE - CHAIN
1' CONTOUR LINE
5' CONTOUR LINE
SWALE
TREE OR VEGETATION LINE

## LEGEND

○	FOUND PROPERTY CORNER
●	SET PROPERTY CORNER
△	BENCH MARKS
□	UTILITY POLE
+	SIGN
☆	LIGHT POLE
⊞	CULVERT
○	INDIVIDUAL TREE - DECIDUOUS
●	INDIVIDUAL TREE - CONIFER
⊙	BUSH
⊕	WATER SHUT OFF
⊗	FIRE HYDRANT



PARKING TABULATION			
DESCRIPTION	REQUIRED	EXISTING	PROPOSED
CHURCH	66	70	67
TELECOMMUNICATIONS FACILITY	1	0	1

**entrex**  
communication services, inc.

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SEAL:

COMMONWEALTH OF VIRGINIA  
CAMILLE SHABBAR  
No. 040026  
PROFESSIONAL ENGINEER

**T-MOBILE NORTHEAST LLC**

12050 BALTIMORE AVENUE  
BELTSVILLE, MD 20705  
PHONE: (240) 264-8600

PROJECT NO:	1042.732
DESIGNER:	R.S.
ENGINEER:	C.S.

SCALE:
0 1/2 1
GRAPHIC SCALE IN INCHES

**WAC071B**  
**CHRIST OUR SAVIOR**  
**46611 JEFFERSON DR**  
**STERLING, VA 20165**

TITLE:

## SITE SURVEY

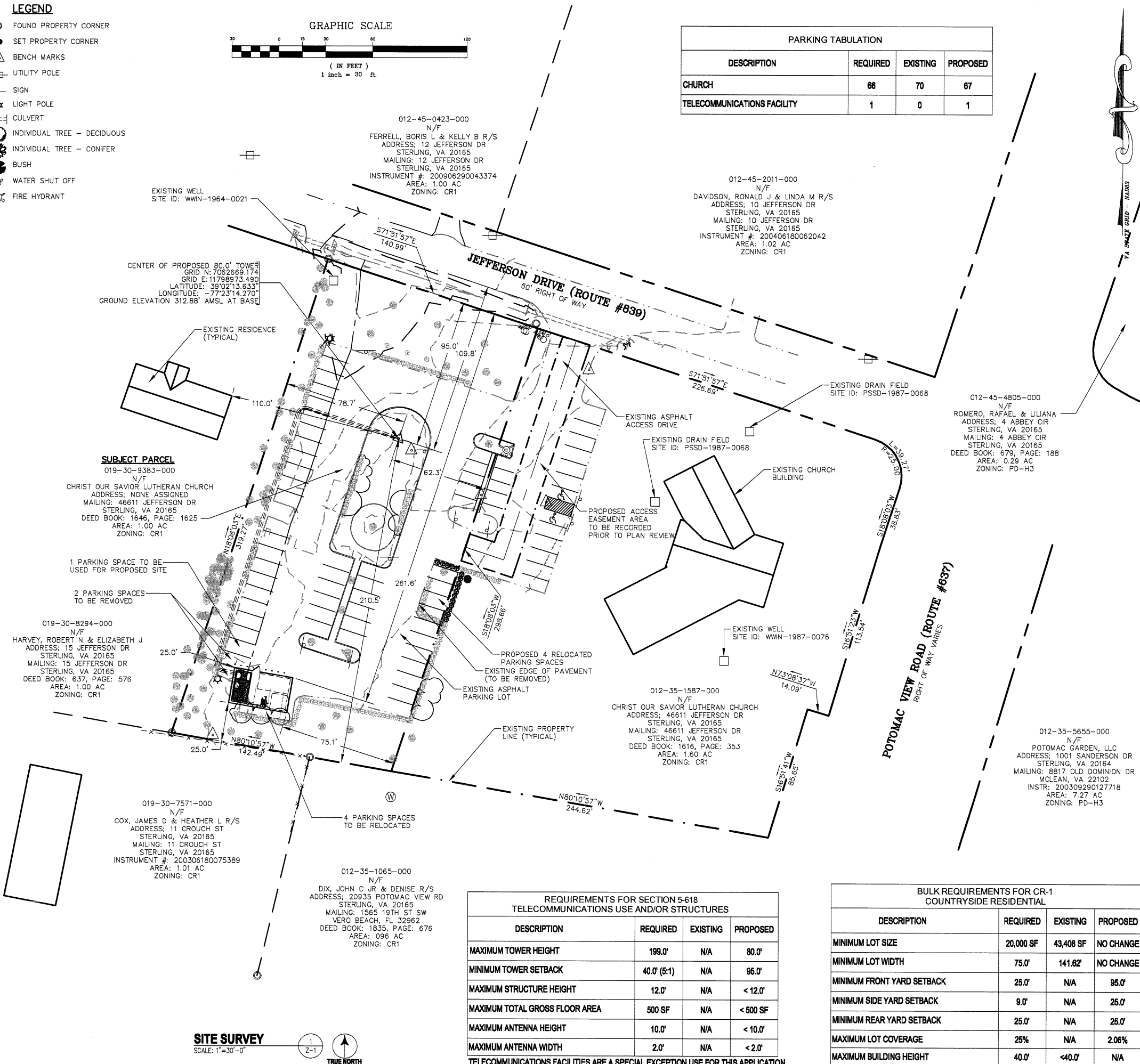
SPEX 2008 -0030

SHEET NUMBER:

**Z-1**

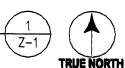
## SITE SURVEY

- SITE NAME: CHRIST OUR SAVIOR  
SITE NUMBER: WAC071B
- THIS IS NOT A BOUNDARY SURVEY AND IS NOT TO BE USED FOR THE TRANSFER OF PROPERTY.
- THE SUBJECT PARCELS INFORMATION;  
OWNER: CHRIST OUR SAVIOR LUTHERAN CHURCH  
PREMISES ADDRESS: 46611 JEFFERSON DRIVE  
STERLING, VA 20165  
MAILING ADDRESS: 46611 JEFFERSON DR  
STERLING, VA 20165  
COUNTY: LOUDOUN COUNTY  
PIN NUMBER: 019-30-9383-000 (PARKING LOT)  
012-35-1587-000 (CHURCH)  
TAX MAP NUMBER: /81/E/1/1/1/17/  
ZONING: CR1 USE: CHURCH & PARKING LOT
- THE RECORDED REFERENCES FOR THE SUBJECT PARCELS ARE AS FOLLOWS:  
DEED: LIBER 1646, FOLIO 1625 (PARKING LOT)  
DEED: LIBER 1616, FOLIO 353 (CHURCH)  
AREA: 1.00 AC (PARKING LOT)  
AREA: 1.60 AC (CHURCH)
- THE DATUM'S ARE NAD 83 AND NAVD 88, AND THE BEARING BASE IS STATE GRID.
- NO UNDERGROUND UTILITIES HAVE BEEN LOCATED, THE PRESENCE OF ANY SUCH UTILITIES MUST BE CONFIRMED BY THE CONTRACTOR BEFORE CONSTRUCTION.
- NO WETLANDS HAVE BEEN DEFINED AND ANY AREAS SHOWN AS MARSH, PONDS OR DITCHES ARE DONE SO FROM VISIBLE SURFACE FEATURES AND IN NO WAY CONSTITUTE A DEFINED WETLAND.
- THE FLOOD ZONE OF THE PROPOSED TOWER IS AS FOLLOWS:  
FLOOD ZONE X, AREA OF MINIMUM FLOODING. SOURCE, FEMA FLOOD MAP FOR LOUDOUN COUNTY, VA. COMMUNITY PANEL NUMBER 51107C 0267D. REVISED, JULY 5, 2001.
- A TITLE REPORT WAS FURNISHED FOR THIS SURVEY BY US TITLE SOLUTIONS ON MARCH 10, 2008 WITH FILE NUMBER 24254-VA0803-5031.
- THE DATA COLLECTED AND SHOWN ON THIS DRAWING ARE FOR THE PURPOSES OF CONSTRUCTION OF A CELLULAR TOWER, ANY NECESSARY ANCILLARY EQUIPMENT AND ALL APPROPRIATE EASEMENTS.
- NO UNRECORDED EASEMENTS ARE SHOWN ON THIS SURVEY AND IT IS POSSIBLE THAT SUCH EASEMENTS IMPACT THE SITE.
- THIS PROPERTY IS SUBJECT TO ALL MATTERS OF PUBLIC RECORD.
- THE LOCATION OF THE PROPOSED TOWER IS AS FOLLOWS:  
THE VALUES LISTED BELOW ARE WITHIN ±50' HORIZONTAL AND ±20' VERTICAL.  
LATITUDE: N 39° 02' 13.633"  
LONGITUDE: W 77° 23' 14.270"  
ELEVATION: 312.88' AMSL AT BASE



## SITE SURVEY

SCALE: 1"=30'-0"

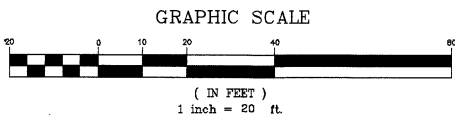


REQUIREMENTS FOR SECTION 5-618 TELECOMMUNICATIONS USE AND/OR STRUCTURES			
DESCRIPTION	REQUIRED	EXISTING	PROPOSED
MAXIMUM TOWER HEIGHT	199.0'	N/A	80.0'
MINIMUM TOWER SETBACK	40.0' (5:1)	N/A	95.0'
MAXIMUM STRUCTURE HEIGHT	12.0'	N/A	<12.0'
MAXIMUM TOTAL GROSS FLOOR AREA	500 SF	N/A	<500 SF
MAXIMUM ANTENNA HEIGHT	10.0'	N/A	<10.0'
MAXIMUM ANTENNA WIDTH	2.0'	N/A	<2.0'

TELECOMMUNICATIONS FACILITIES ARE A SPECIAL EXCEPTION USE FOR THIS APPLICATION

BULK REQUIREMENTS FOR CR-1 COUNTRYSIDE RESIDENTIAL			
DESCRIPTION	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT SIZE	20,000 SF	43,408 SF	NO CHANGE
MINIMUM LOT WIDTH	75.0'	141.62'	NO CHANGE
MINIMUM FRONT YARD SETBACK	25.0'	N/A	95.0'
MINIMUM SIDE YARD SETBACK	9.0'	N/A	25.0'
MINIMUM REAR YARD SETBACK	25.0'	N/A	25.0'
MAXIMUM LOT COVERAGE	25%	N/A	2.06%
MAXIMUM BUILDING HEIGHT	40.0'	<40.0'	N/A





CENTER OF PROPOSED 80.0' TOWER  
GRID N: 7062669.174  
GRID E: 11798973.490  
LATITUDE: 39°02'13.633"  
LONGITUDE: -77°23'14.270"  
GROUND ELEVATION 312.88' AMSL AT BASE

EXISTING RESIDENCE  
(TYPICAL)

**SUBJECT PARCEL**

019-30-9383-000  
N/F  
CHRIST OUR SAVIOR LUTHERAN CHURCH  
ADDRESS: NONE ASSIGNED  
MAILING: 46611 JEFFERSON DR  
STERLING, VA 20165  
DEED BOOK: 1646, PAGE: 1625  
AREA: 1.00 AC  
ZONING: CR1

019-30-8294-000  
N/F  
HARVEY, ROBERT N & ELIZABETH J  
ADDRESS: 15 JEFFERSON DR  
STERLING, VA 20165  
MAILING: 15 JEFFERSON DR  
STERLING, VA 20165  
DEED BOOK: 637, PAGE: 576  
AREA: 1.00 AC  
ZONING: CR1

019-30-7571-000  
N/F  
COX, JAMES D & HEATHER L R/S  
ADDRESS: 11 CROUCH ST  
STERLING, VA 20165  
MAILING: 11 CROUCH ST  
STERLING, VA 20165  
INSTRUMENT #: 200306180075389  
AREA: 1.01 AC  
ZONING: CR1

012-35-1065-000  
N/F  
DIX, JOHN C JR & DENISE R/S  
ADDRESS: 20935 POTOMAC VIEW RD  
STERLING, VA 20165  
MAILING: 1565 19TH ST SW  
VERO BEACH, FL 32962  
DEED BOOK: 1835, PAGE: 676  
AREA: 0.96 AC  
ZONING: CR1

012-45-0423-000  
N/F  
FERRELL, BORIS L & KELLY B R/S  
ADDRESS: 12 JEFFERSON DR  
STERLING, VA 20165  
MAILING: 12 JEFFERSON DR  
STERLING, VA 20165  
INSTRUMENT #: 200906290043374  
AREA: 1.00 AC  
ZONING: CR1

012-45-2011-000  
N/F  
DAVIDSON, RONALD J & LINDA M R/S  
ADDRESS: 10 JEFFERSON DR  
STERLING, VA 20165  
MAILING: 10 JEFFERSON DR  
STERLING, VA 20165  
INSTRUMENT #: 200406180062042  
AREA: 1.02 AC  
ZONING: CR1

012-35-1587-000  
N/F  
CHRIST OUR SAVIOR LUTHERAN CHURCH  
ADDRESS: 46611 JEFFERSON DR  
STERLING, VA 20165  
MAILING: 46611 JEFFERSON DR  
STERLING, VA 20165  
DEED BOOK: 1616, PAGE: 353  
AREA: 1.60 AC  
ZONING: CR1

BULK REQUIREMENTS FOR CR-1 COUNTRYSIDE RESIDENTIAL			
DESCRIPTION	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT SIZE	20,000 SF	43,408 SF	NO CHANGE
MINIMUM LOT WIDTH	75.0'	141.62'	NO CHANGE
MINIMUM FRONT YARD SETBACK	25.0'	N/A	95.0'
MINIMUM SIDE YARD SETBACK	9.0'	N/A	25.0'
MINIMUM REAR YARD SETBACK	25.0'	N/A	25.0'
MAXIMUM LOT COVERAGE	25%	N/A	2.06%
MAXIMUM BUILDING HEIGHT	40.0'	<40.0'	N/A

**LINE TYPES**

BOUNDARY LINE - PARENT PARCEL

UNSURVEYED LINE - BOUNDARY OF ADJOINERS

TIE LINE FOR DIMENSIONS

EASEMENT BOUNDARY

RIGHT OF WAY BOUNDARY

EDGE OF ASPHALT

EDGE OF CONCRETE

EDGE OF GRAVEL

CURB

FENCE LINE - CHAIN

1' CONTOUR LINE

5' CONTOUR LINE

SWALE

TREE OR VEGETATION LINE

**LEGEND**

- FOUND PROPERTY CORNER
- SET PROPERTY CORNER
- △ BENCH MARKS
- UTILITY POLE
- SIGN
- ☆ LIGHT POLE
- CULVERT
- INDIVIDUAL TREE - DECIDUOUS
- INDIVIDUAL TREE - CONIFER
- BUSH
- ⊕ WATER SHUT OFF
- ⊕ FIRE HYDRANT

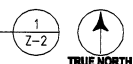
POTOMAC VIEW ROAD (ROUTE #637)  
RIGHT OF WAY VARIES

REQUIREMENTS FOR SECTION 5-618 TELECOMMUNICATIONS USE AND/OR STRUCTURES			
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MAXIMUM TOWER HEIGHT	199.0'	N/A	80.0'
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TELECOMMUNICATIONS FACILITIES ARE A SPECIAL EXCEPTION USE FOR THIS APPLICATION

**SPECIAL EXCEPTION PLAT**

SCALE: 1"=20'-0"

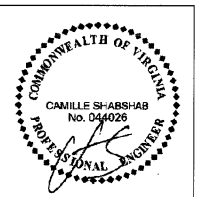


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11-19-10	REVISE STEEPLE	1
12-15-10	COUNTY COMMENTS	2

SEAL:



**T-MOBILE NORTHEAST LLC**

12050 BALTIMORE AVENUE  
BELTSVILLE, MD 20705  
PHONE: (240) 264-8600

PROJECT NO: 1042.732  
DESIGNER: R.S.  
ENGINEER: C.S.

SCALE:  
0 1/2 1  
GRAPHIC SCALE IN INCHES

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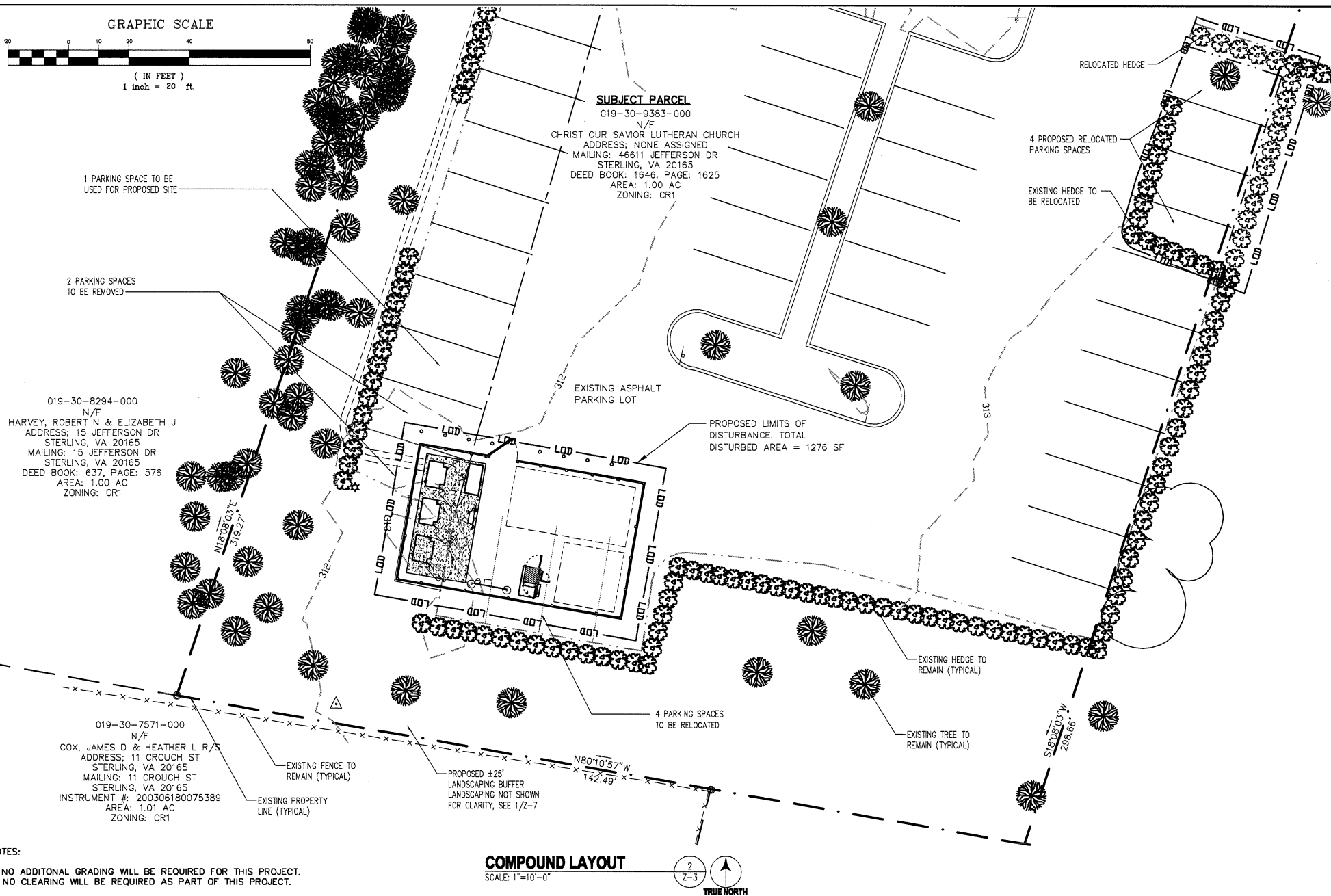
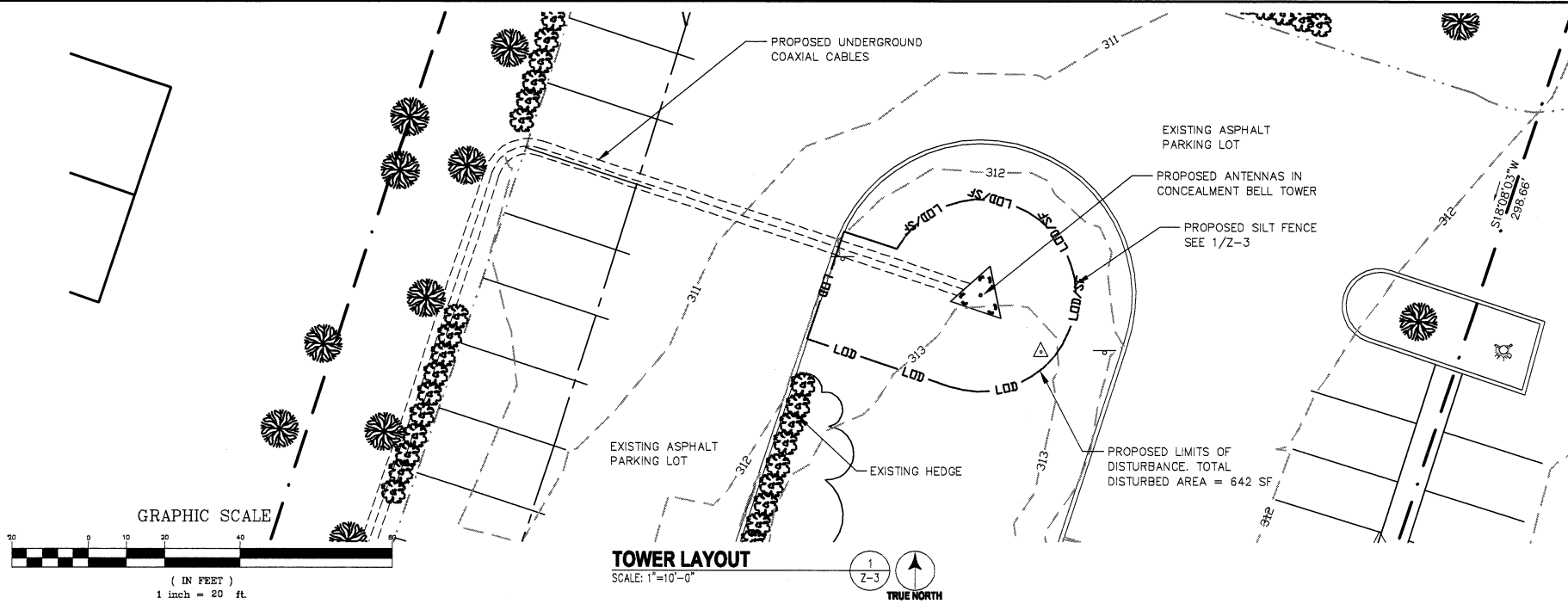
**SPECIAL  
EXCEPTION  
PLAT**

SPEX 2008 -0030

SHEET NUMBER:

**Z-2**





**PROJECT DATA**  
 TELECOMMUNICATIONS COMPOUND AREA = 874 SF  
 STEALTH BELL TOWER = 22 SF  
 4 NEW PARKING SPACES = 903 SF  
 TOTAL PROJECT DISTURBED AREA = 2,821 SF  
 TOTAL PROJECT IMPERVIOUS AREA = 735 SF  
 TOTAL GRAVEL VOLUME = 0 CY

**EXISTING CONDITIONS**  
 ALL EXISTING BUILDINGS AND STRUCTURES ON THE PROPERTY ARE TO REMAIN.

**LINETYPES**

LIMIT OF DISTURBANCE  
 LOD LOD LOD LOD

SILT FENCE  
 LOD/SF LOD/SF LOD/SF LOD/SF

PROPOSED 2' CONTOUR LINE  
 401.0

PROPOSED SPOT ELEVATION  
 400.53

**SURFACES**

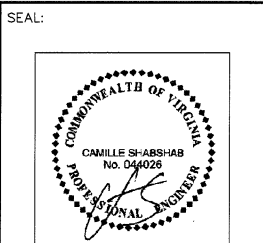
EXISTING GRAVEL SURFACE

PROPOSED GRAVEL SURFACE  
 (TEMPORARY CONSTRUCTION DRIVE)



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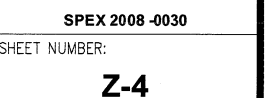
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TITLE:  
**GRADING, EROSION & SEDIMENT CONTROL PLAN**

SPEX 2008 -0030  
 SHEET NUMBER:  
**Z-3**



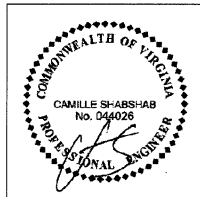




**SUBMITTALS**

DATE	DESCRIPTION	REV.
04-28-10	ZONING REVIEW	A
05-28-10	ZONING	0
11-19-10	REVISE STEEPLE	1
12-15-10	COUNTY COMMENTS	2

SEAL:



**T-MOBILE NORTHEAST LLC**

12050 BALTIMORE AVENUE  
BELTSVILLE, MD 20705  
PHONE: (240) 264-8600

PROJECT NO: 1042.732  
DESIGNER: W.A.  
ENGINEER: C.S.

SCALE:



**WAC071B**  
**CHRIST OUR SAVIOR**  
**46611 JEFFERSON DR**  
**STERLING, VA 20165**

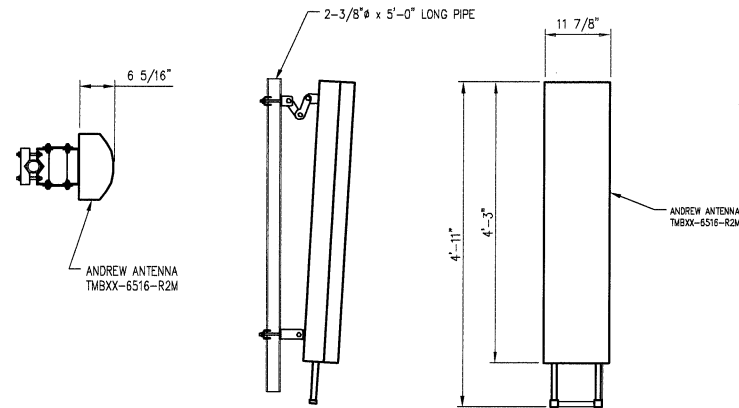
TITLE:

**EQUIPMENT  
DETAILS**

SPEX 2008 -0030

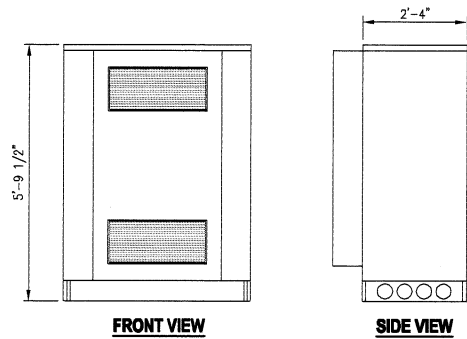
SHEET NUMBER:

**Z-5**



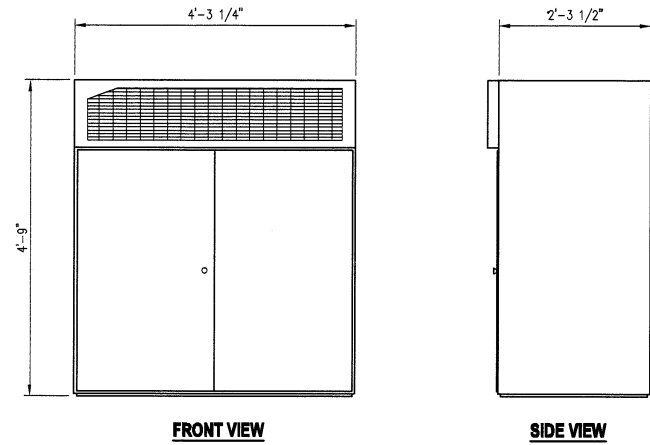
**ANTENNA DETAIL**  
SCALE: 1"=1'-0"

1  
Z-5



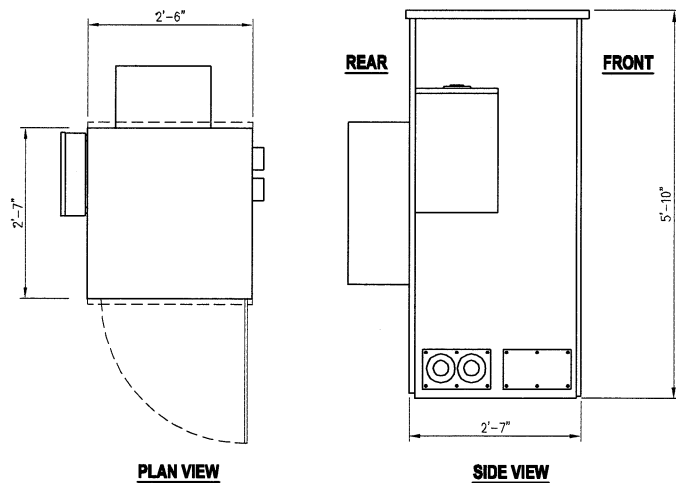
**ERICSSON RBS 2106/3106 CABINET DETAIL**  
SCALE: SCALE: 1/2" = 1'-0"

2  
Z-5



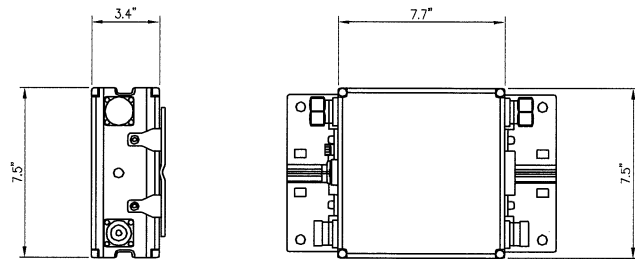
**ERICSSON RBS 6102 CABINET DETAIL**  
SCALE: 3/4"=1'-0"

3  
Z-5



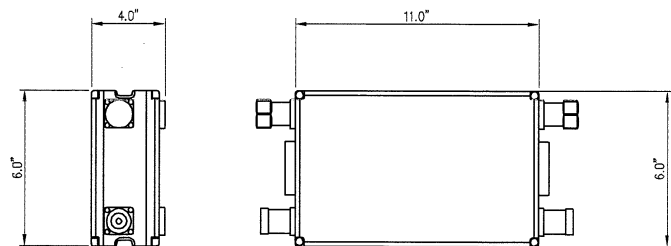
**BATTERY CABINET DETAIL**  
SCALE: 3/4"=1'-0"

4  
Z-5



**UMTS TMA DETAIL**  
SCALE: 3"=1'-0"

5  
Z-5



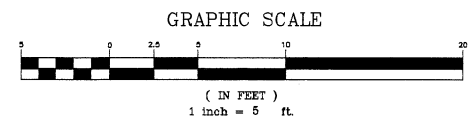
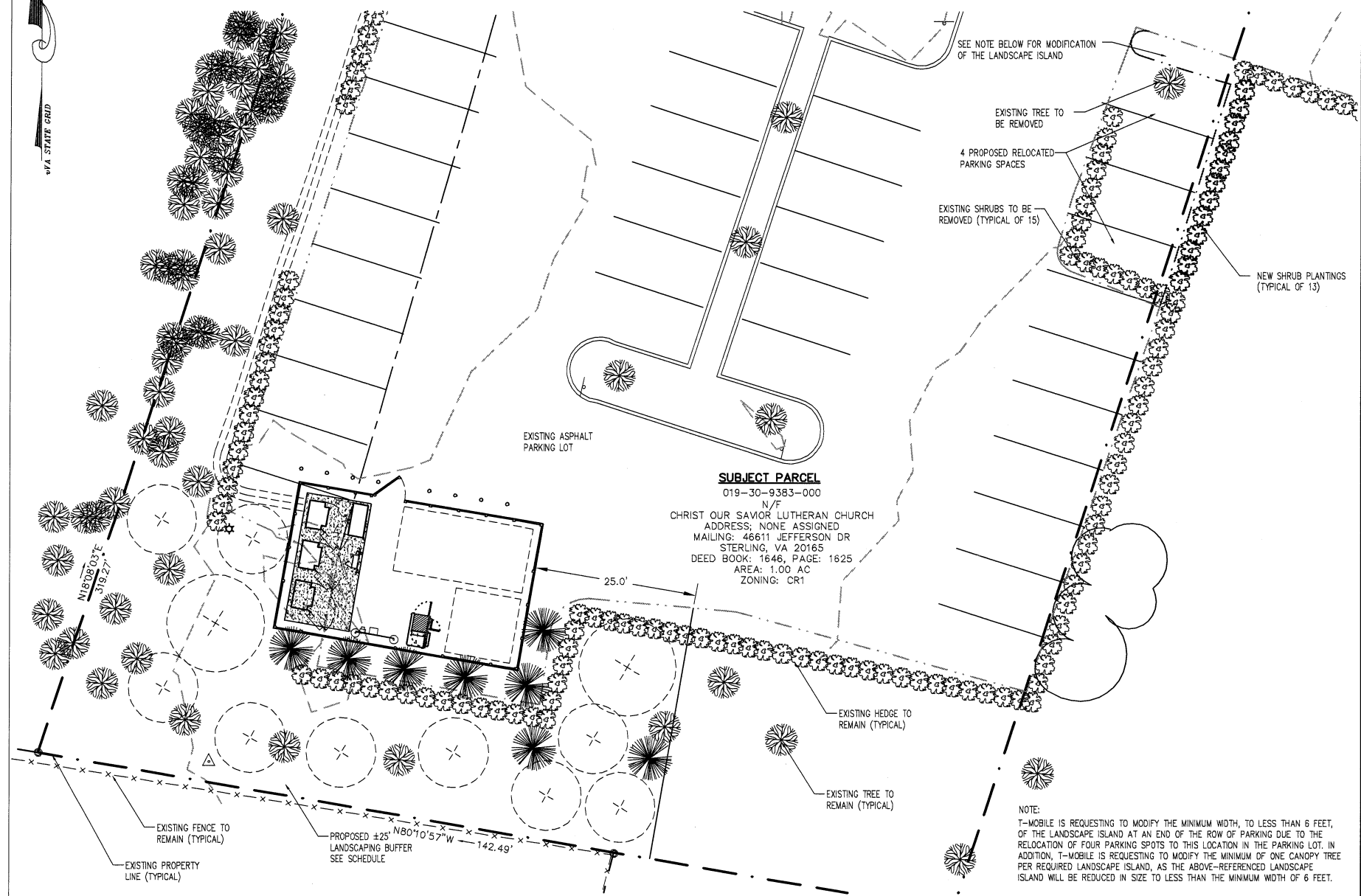
**GSM TMA DETAIL**  
SCALE: 3"=1'-0"

6  
Z-5

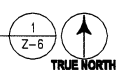
EQUIPMENT SPECIFICATIONS				
ITEM NO.	DESCRIPTION	DIMENSION (H x W x D)	WEIGHT (EACH)	QUANTITY (EACH)
1	ANTENNA: ANDREW TMBXX-6516-R2M	59.0" x 11.9" x 6.3"	34.6 LBS	6
2	GSM CABINET: RBS 2106	63.50" x 51.25" x 37.00"	1350 LBS	1
3	UMTS CABINET: RBS 3106	64.02" x 51.18" x 36.46"	1874 LBS	1
4	ERICSSON RBS 6102 CABINET	57.0" x 51.25" x 27.5"	772 LBS	1
3	PURCELL RAC888BWR BATTERY CABINET	62.0" x 30.0" x 31.0"	3000 LBS	1
4	GSM TMA: ERICSSON DOUBLE TMA 1.9 GHz (KRY 112 89/5)	11.0" x 6.0" x 4.0"	15.4 LBS	3
5	UMTS TMA: ERICSSON DOUBLE TMA 1.7 / 2.1 GHz (KRY 112 144/1)	7.7" x 7.5" x 3.4"	11.0 LBS	3



via STATE GRID



COMPOUND LANDSCAPING PLAN  
SCALE: 1"=10'-0"



SEE NOTE BELOW FOR MODIFICATION OF THE LANDSCAPE ISLAND

EXISTING TREE TO BE REMOVED

4 PROPOSED RELOCATED PARKING SPACES

EXISTING SHRUBS TO BE REMOVED (TYPICAL OF 15)

NEW SHRUB PLANTINGS (TYPICAL OF 13)

SUBJECT PARCEL  
019-30-9383-000

N/F  
CHRIST OUR SAVIOR LUTHERAN CHURCH  
ADDRESS: NONE ASSIGNED  
MAILING: 46611 JEFFERSON DR  
STERLING, VA 20165  
DEED BOOK: 1646, PAGE: 1625  
AREA: 1.00 AC  
ZONING: CR1

EXISTING ASPHALT PARKING LOT

25.0'

EXISTING HEDGE TO REMAIN (TYPICAL)

EXISTING TREE TO REMAIN (TYPICAL)

NOTE:  
T-MOBILE IS REQUESTING TO MODIFY THE MINIMUM WIDTH, TO LESS THAN 6 FEET, OF THE LANDSCAPE ISLAND AT AN END OF THE ROW OF PARKING DUE TO THE RELOCATION OF FOUR PARKING SPOTS TO THIS LOCATION IN THE PARKING LOT. IN ADDITION, T-MOBILE IS REQUESTING TO MODIFY THE MINIMUM OF ONE CANOPY TREE PER REQUIRED LANDSCAPE ISLAND, AS THE ABOVE-REFERENCED LANDSCAPE ISLAND WILL BE REDUCED IN SIZE TO LESS THAN THE MINIMUM WIDTH OF 6 FEET.

PLANT LIST

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
(X)	2	CELTIS OCCIDENTALIS	HACKBERRY	2.5"	CANOPY
(X)	9	AMALANHIER CANADENSIS	SHADBLOW SERVICEBERRY	6'	UNDERSTORY
(*)	8	THUJA CANADENSIS	AMERICAN ARBORVITAE	6'	B&B
(*)	13	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMER SWEET	24-36"	SHRUBS

BUFFER YARD TYPE 4

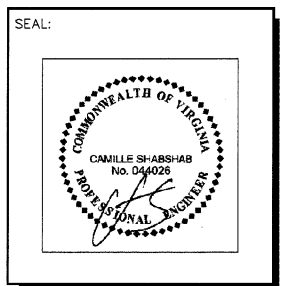
	REQUIRED PLANTINGS	EXISTING PLANTINGS	PROPOSED PLANTINGS	
FRONT YARD BUFFER 20' MINIMUM WIDTH	4 CANOPY TREES 3 UNDERSTORY TREES 20 SHRUBS 0 EVERGREEN TREES	N/A N/A N/A N/A	N/A N/A N/A N/A	SEE NOTES BELOW
REAR YARD BUFFER 25' MINIMUM WIDTH (84 LF)	2 CANOPY TREES 5 UNDERSTORY TREES 10 SHRUBS 8 EVERGREEN TREES	0 CANOPY TREES 0 UNDERSTORY TREES 18 SHRUBS 6 EVERGREEN TREES	2 CANOPY TREES 6 UNDERSTORY TREES 0 SHRUBS 7 EVERGREEN TREES	
EAST SIDE BUFFER 25' MINIMUM WIDTH (35 LF)	1 CANOPY TREE 3 UNDERSTORY TREES 5 SHRUBS 4 EVERGREEN TREES	0 CANOPY TREES 0 UNDERSTORY TREES 17 SHRUBS 0 EVERGREEN TREES	1 CANOPY TREE 3 UNDERSTORY TREES 0 SHRUBS 4 EVERGREEN TREES	
WEST SIDE BUFFER 25' MINIMUM WIDTH (47 LF)	1 CANOPY TREE 3 UNDERSTORY TREES 5 SHRUBS 4 EVERGREEN TREES	0 CANOPY TREES 0 UNDERSTORY TREES 5 SHRUBS 7 EVERGREEN TREES	1 CANOPY TREE 3 UNDERSTORY TREES 0 SHRUBS 0 EVERGREEN TREES	

NOTE:  
T-MOBILE IS REQUESTING TO MODIFY THE REQUIREMENT FOR A TYPE 4 FRONT BUFFER YARD AS THE FRONT YARD OF THE FACILITY IS A PORTION OF THE EXISTING PARKING LOT AND A BUFFER YARD WOULD INHIBIT DRIVING IN THE PARKING LOT. T-MOBILE WILL INSTALL BOLLARDS IN THE PARKING LOT FOR PUBLIC SAFETY REASONS AND TO PROTECT THE FENCING OF THE FRONT YARD OF THE COMPOUND. T-MOBILE IS ALSO REQUESTING TO MODIFY THE REQUIRED PLANTINGS AND REDUCE THE MINIMUM SIZE OF THE TYPE 4 EAST SIDE BUFFER YARD FROM A TOTAL OF 47 LINEAR FEET TO 35 LINEAR FEET FROM THE REAR PROPERTY BOUNDARY AS A PART OF THE EAST SIDE BUFFER YARD OF THE FACILITY IS A PORTION OF THE EXISTING PARKING LOT AND A BUFFER YARD WOULD INHIBIT DRIVING IN THE PARKING LOT IF IT WERE TO BE INSTALLED. T-MOBILE IS REQUESTING A MODIFICATION IN ORDER TO LOCATE THE REQUIRED BUFFER YARDS ON THE PERIMETER OF THE EQUIPMENT COMPOUND ONLY.

**entrex**  
communication services, inc.

1575 Eye Street, N.W. Suite 350  
WASHINGTON, D.C. 20005  
PHONE: (202)408-0960  
FAX: (202)408-0961

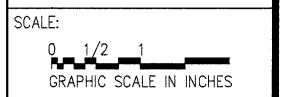
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**STERLING, VA 20165**

TITLE:  
**COMPOUND LANDSCAPING PLAN & DETAILS**

SPEX 2008 -0030  
SHEET NUMBER:  
**Z-6**